

WHAT IS CLAIMED IS:

1. A sealing apparatus of a fuel filter comprising:

a body formed with a fuel filter side connecting part configured to be inserted into a connector of a fuel filter and a fuel line side connecting part configured to be connected to a fuel line;

5 an oil chamber provided between a first piston and a second piston, the oil chamber located within an inner circumferential side of said fuel filter side connecting part of said body;

10 fuel flow holes radially formed at an external side of said oil chamber, wherein inlets of said fuel holes are configured to be opened and closed by said first piston in response to a fuel pressure from said fuel line and to allow fuel passing through outlets of said fuel holes to flow to a fuel pipe in said fuel filter; and

15 a barrier valve provided at one side of the body with a valve surface configured to open and close fuel through holes disposed between said fuel pipe in said fuel filter and said connector, wherein the second piston is coupled to the barrier valve on a side of the barrier valve opposite to the valve surface and the second piston is configured to move the valve surface in response to the fuel pressure from the fuel line.

20 2. The sealing apparatus as defined in claim 1, wherein one side of said oil chamber accommodating said second piston is formed in the shape of a double cylinder, and a distal end of the oil chamber is bent inwardly.

3. The sealing apparatus as defined in claim 1, wherein the valve surface of said barrier valve is mounted therein with a rubber packing.

4. The sealing apparatus as defined in claim 1, wherein a snap ring is formed on an inner circumferential surface of said body.

25 5. A sealing apparatus of a fuel filter comprising:

a body formed with a fuel filter side connecting part configured to be inserted

into a connector of a fuel filter and a fuel line side connecting part configured to be connected to a fuel line;

an oil chamber located within an inner circumferential side of said fuel filter side connecting part of said body;

5 a first piston between the fuel line and the oil chamber;

 a second piston between the oil chamber and the fuel filter; and

 a resilient spring coupled to the second piston and configured to return the second piston to a resting position;

wherein

10 the first piston and the second piston are configured to move in opposite directions in response to a fuel pressure from fuel in the fuel line, thereby allowing fuel to flow from the fuel line to the fuel filter.